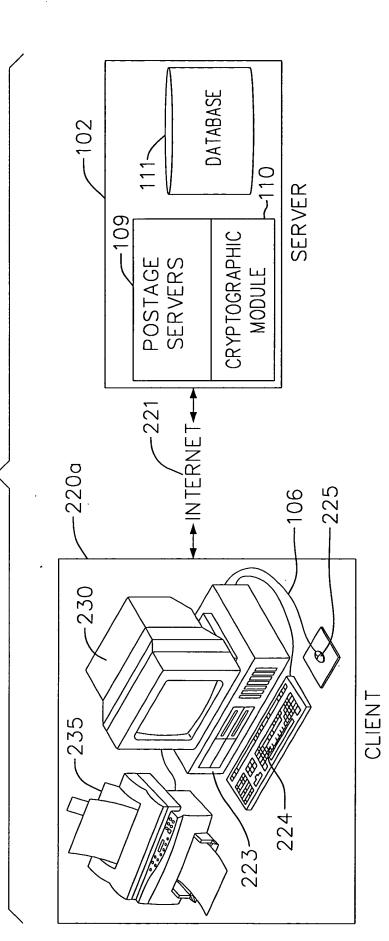
FIG. 1



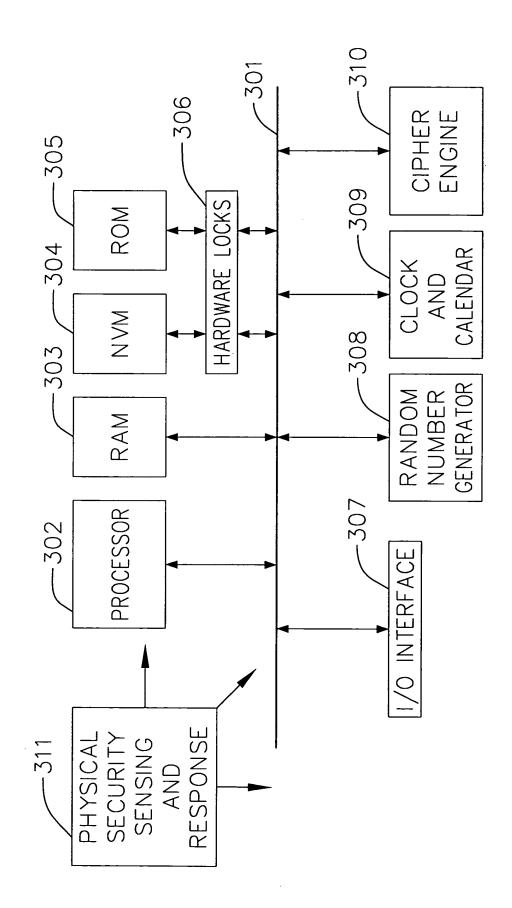
SERVER • • • SERVER 222m_ .234 221 -233n LOCAL NETWORK INTERNET 2220 -235-233a -232n . 220n PRINTER COMM NETWORK LINK K -220g MONITOR COMM FIG.2 230 227 MASS STORAGE MAIN MEMORY MONITOR VIDEO AMP 225 228 229 VIDEO MEMORY VIDEO AMP MOUSE 224 KEYBOARD 226 223 CPU

 APPROVED O.G. FIG.

BY CLASS SUBCLASS

DRAFTSMAN

FIG.3



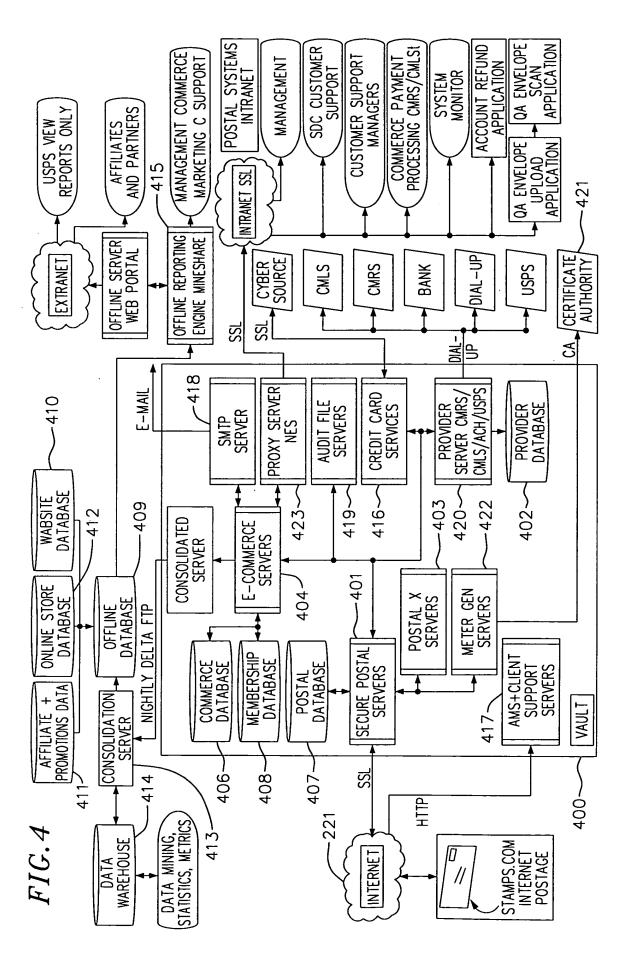
Commission is not true true or the

::

ļ:±

13

ŀ÷



APPROVED O.G. FIG CLASSISUBCLASS DRAFTSMAN

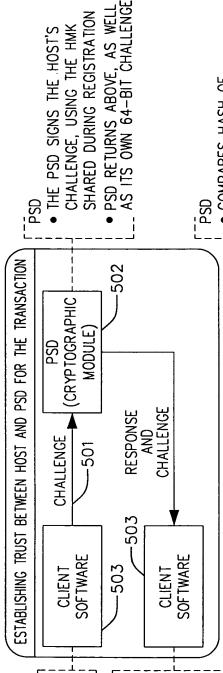
FIG.5

GENERATES A RANDOM. 64-BIT CHALLENGE CLIENT SOFTWARE

CLIENT SOFTWARE

THE CHALLENGE IT SENT WITH • COMPARES THE HMAC OF THE HMAC IT RECEIVES FROM THE PSD.

- HOST TRUSTS THE PSD FOR THIS TRANSACTION.
- CHALLENGE TO AUTHENTICATE HOST RETAINS PSD'S TSELF TO THE PSD
- CLIENT SOFTWARE
- CUSTOMER'S ASCENDING AND SIGNS CHALLENGE THAT THE PSD SENT, AND ALSO THE LOCAL RECORD OF THE DESCENDING REGISTERS. SENDS THIS TO PSD.
- SENDS CLEARTEXT OF THE RANSACTION MESSAGE. CHALLENGE AND THE
- SENDS AN HMAC OF ALL OF THE ABOVE, USING SHARED



SHARED DURING REGISTRATION

CHALLENGE, USING THE HMK

CALCULATION OF THE SAME. WAS NOT TAMPERED WITH. THIS ENSURES MESSAGE RESPONSE WITH LOCAL COMPARES HASH OF

ESTABLISHING TRUST BETWEEN PSD AND HOST FOR THE TRANSACTION

RECEIVED IS CHALLENGE SENT. VERIFIES CHALLENGE

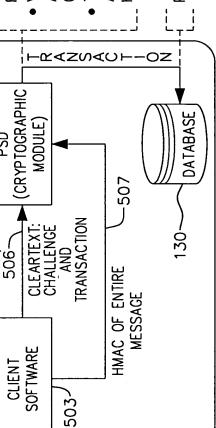
502

SIGNED CHALLENGE

505-

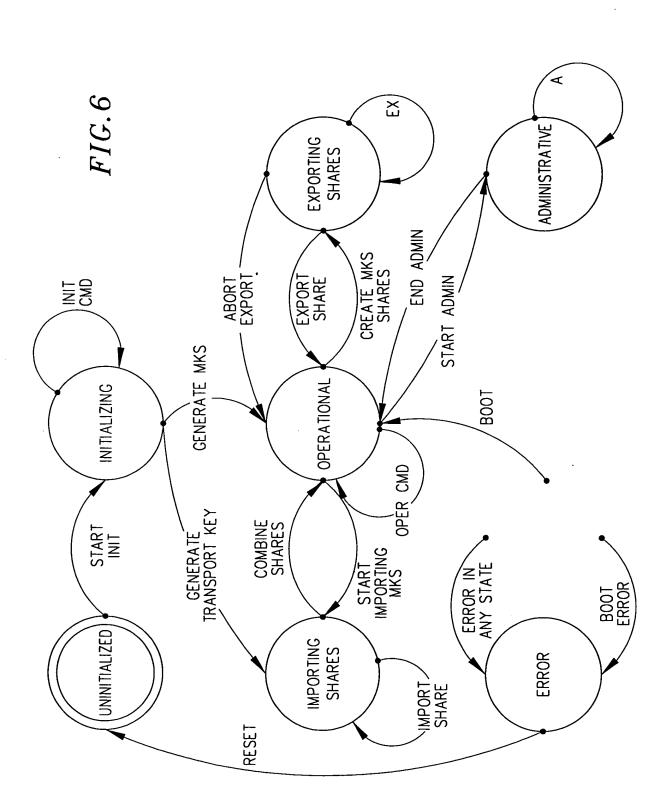
- VERIFIES HOST'S REGISTERS ARE SAME AS LOCAL DATA OF REGISTERS.
 - THIS ABOVE TWO STEPS AUTHENTICATE THE

PSD PERFORMS TRANSACTION



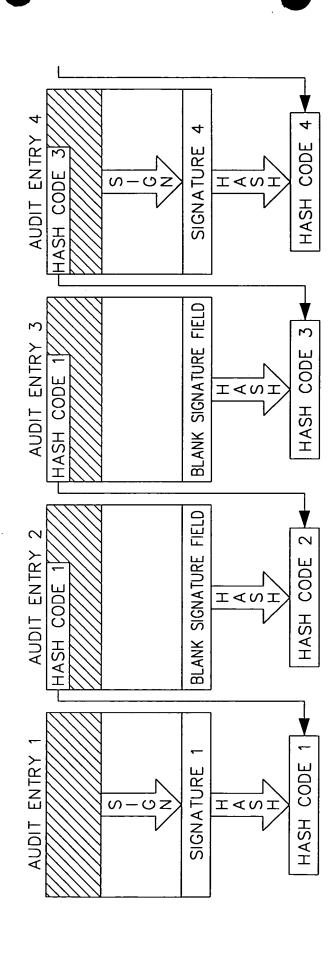
Serie and the Cart Court for the Series

4.0 6.8 ... 18 8. 18.9 Pr

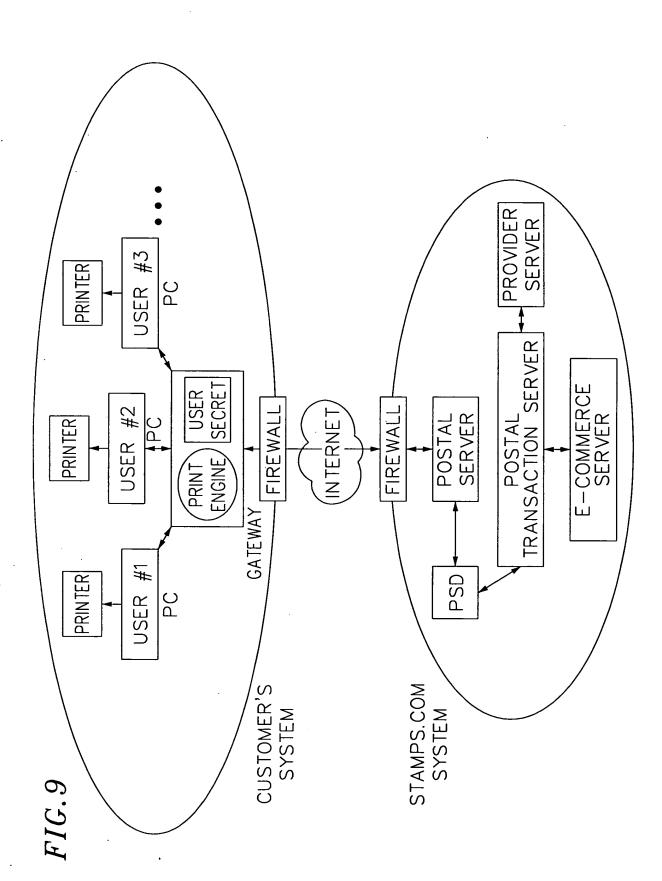


APPROVED	APPROVED O.G. FIG.		
· BY	CLASS	SUBCLASS	
DRAFTSMAN			

FIG 7



USER SECRET **X**# USER PRINT ENGINE PROVIDER SERVER • • • PRINTER SSL SERVER USER SECRET E-COMMERCE SERVER FIG.8USER #2 SSL POSTAL SERVER INTERNET FIREWALL POSTAL TRANSACTION ENGINE PRINT PRINTER PSD SSL SECRET USER USER #1 ENGINE PRINT PRINTER



The first great great great with the second H H GEN GENE GENE GLAS GLAS

APPROVED O.G. FIG.
CLASS SUBCLASS
DRAFTSMAN

1,17

10

1,7

űñ



FIG. 10

